

Date : 4/23/2020 4:24:22 PM

From : "seanyu@epochlifescience.com" seanyu@epochlifescience.com

To : "Yin (Whitney), Yuhui W." ywyin@UTMB.EDU

Subject : RE: synthesize a clone

Attachment : MN908947.gb;

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Hi Whitney,

I need your help to identify the DNA sequence for the RNA polymerase. Thanks

Sean

From: Yin (Whitney), Yuhui W. <ywyin@UTMB.EDU>

Sent: Thursday, April 23, 2020 4:07 PM

To: seanyu@epochlifescience.com

Subject: Re: synthesize a clone

Hi Sean,

Let's make a native one first. Do you see problem in expressing the native sequence in E. coli?

This is following a published protocol, attached.

Thanks for you rapid reply

From: Sean Yu <seanyu@epochlifescience.com>

Date: Thursday, April 23, 2020 at 3:48 PM

To: Yuhui Yin <ywyin@UTMB.EDU>

Subject: RE: synthesize a clone

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Hi Whitney,

Do you need the native DNA sequence or you need codon optimization for E coli expression? Thanks

Sean

From: Yin (Whitney), Yuhui W. <ywyin@UTMB.EDU>

Sent: Thursday, April 23, 2020 3:17 PM

To: Sean Yu <seanyu@epochlifescience.com>

Subject: synthesize a clone

Hi Sean,

Hope you are well.

I would like to synthesize a gene for SARS-Cov-2 RNA polymerase. Specifically, COVID-19 virusnsp12 (GenBank: MN908947)gene was cloned into a modified pET-22a vector, with the C-terminus possessing a10× His-tag.

Please let me know if this can be done quickly.

Thanks!

Whitney

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